

## Everyday Math II

### Home Improvement

**Tiling a Room:** Use the diagram at the bottom of this page to help you answer the following questions.

1. Lila Andrews wants to tile the living room shown at the right. she chooses self-stick vinyl tile that costs \$ .80 for each 12" by 12" (1 sq. ft.) tile.
  - a) How many tiles does Lila need for the living room?
  - b) What is the total cost of this tile?
  - c) Lila also considers buying tile at a "close-out" sale for \$ .50 per 12" by 12" tile. However, she would have to buy 350 tiles at this price. what would be the cost of these 350 "close-out" tiles?
  - d) How many "close-out" tiles would Lila have left over after tiling the living room?

